

AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph beginning at line 20 of page 17 with the following amended paragraph:

At block 528, a motion signal indicating the shift in position is output. In one embodiment in accordance with the invention, the motion signal comprises the change in location at the ~~Y-axis~~ X-axis (e.g., ΔX) and the change in location at the Y-axis (e.g., ΔY). The amount of motion since the last measurement cycle is noted here. The amount of shift needed to attain correlation is the desired amount. These values may be found by noticing which comparison frame actually correlated (assuming no interpolation). These "raw" ΔX and ΔY motion values may be accumulated into running values that are sent to the computer system at a lower rate than that at which the raw values of block 528 are produced.